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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number

10/603679

CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

SMALL ENTITY

OR

OTHER THAN
SMALL ENTITY

LARGE ENTITY			SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEE
BASIC FEE (37 CFR 1.10(a))				\$
TOTAL CLAIMS (37 CFR 1.10(c))				\$
	minus 20 *			\$
	minus 3 *			\$
MULTIPLE DEPENDENT CLAIMS FEE (37 CFR 1.10(d))				\$
* If the difference in columns 1 & 2 is less than zero, enter "0" in column 2			TOTAL	

CLAIMS AS AMENDED -- PART II

(Column 1)

(Column 2)

(Column)

SMALL ENTITY

(111)

OTHER THAN
SMALL ENTITY

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR		PRESENT EXTRA
	Total (37 CFR 1.461)	27	Minus	32	1
Independent (37 CFR 1.461)	6	Minus	6	1	
FIRST INVENTORIAL UNIT OF AMOUNT OF INDEPENDENT CLAIM (37 CFR 1.461)					

SMALL ENTITY	
RATE	ADDITIONAL FEE
\$ 1,000	
\$ 1,000	
\$ 1,000	
TOTAL ADDITIONAL FEE	

SMALL ENTITY	
RATE	ADDITIONAL FEE
\$ 1,000	
\$ 1,000	
\$ 1,000	
TOTAL ADDITIONAL FEE	

AMENDMENT B	(Column 1)	(Column 2)	(Column 3)
	CLAIMS BE NUMBERED AT THE END OF EACH	HIGHER NUMBER PREVIOUSLY PAID FOR	PREVIOUS ENTRY
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

AMENDMENT NO.	CLAIMS DEPENDENT ON THE PARENTAL CLAIM	CLAIMS DEPENDENT ON THE PARENTAL CLAIM	CLAIMS DEPENDENT ON THE PARENTAL CLAIM
1			
2			
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99			
100			

1. The first group of authors (e.g., [1, 2]) considers the problem of the stability of the motion of a system of particles in the case of a small perturbation of the initial conditions. The results of these studies are used in the theory of the stability of the motion of a system of particles in the case of a small perturbation of the initial conditions.

$$T_1 = \frac{1}{\omega} \ln \left(\frac{\alpha + \beta}{\alpha - \beta} \right) = \frac{1}{\omega} \ln \left(\frac{1 + \sqrt{1 - \cos^2 \theta}}{1 - \sqrt{1 - \cos^2 \theta}} \right) = \frac{1}{\omega} \ln \left(\frac{1 + \sin \theta}{1 - \sin \theta} \right)$$
[illegible]

... ..

1. The first group of variables includes the demographic characteristics of the respondents, such as age, gender, and education level. These variables are used to control for potential confounding factors that may influence the relationship between the independent and dependent variables.

$\mathcal{H}_1 = \{ \mathbf{H}_1, \mathbf{H}_2, \dots, \mathbf{H}_M \}$ and $\mathcal{H}_0 = \{ \mathbf{H}_1, \mathbf{H}_2, \dots, \mathbf{H}_M \}$ are the sets of hypotheses for the two classes. The test statistic $T(\mathbf{y})$ is a function of the observed data \mathbf{y} . The decision rule is to choose \mathcal{H}_1 if $T(\mathbf{y}) \geq \tau$ and \mathcal{H}_0 otherwise, where τ is the threshold. The probability of detection P_d and the probability of false alarm P_{fa} are defined as follows:

$$P_d = \Pr(T(\mathbf{y}) \geq \tau | \mathbf{H}_1) \quad (1)$$

$$P_{fa} = \Pr(T(\mathbf{y}) \geq \tau | \mathbf{H}_0) \quad (2)$$
 The probability of missed detection P_{md} is defined as $P_{md} = 1 - P_d$. The probability of correct detection P_{cd} is defined as $P_{cd} = P_d$. The probability of correct rejection P_{cr} is defined as $P_{cr} = 1 - P_{fa}$. The probability of correct classification P_{cc} is defined as $P_{cc} = P_{cd} + P_{cr}$. The probability of error P_e is defined as $P_e = 1 - P_{cc}$. The probability of error P_e can be expressed as a function of the probability of false alarm P_{fa} and the probability of missed detection P_{md} as follows:

$$P_e = P_{fa} + P_{md} \quad (3)$$
 The probability of error P_e is a function of the threshold τ . The threshold τ is chosen such that the probability of error P_e is minimized. The threshold τ is chosen such that the probability of error P_e is minimized. The threshold τ is chosen such that the probability of error P_e is minimized.

[illegible]

1. 2. 3. 4.

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971).

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